### I-70 TRAFFIC & REVENUE STUDY ISSUES TASK FORCES

# TUNNEL COST ESTIMATE Workgroup MEETING MINUTES #2

► Meeting Date: October 29,2013 ► Time: 10AM

► Meeting Place: Conference Call

**▶** Distribution / Attendees ( \*):

Brad Parsons
 John Parsons
 Howard Hume Yeh and Associates
 Doyle

Ralph Trapani

PeggyGanse
Shannon
Red
SW
Mark Vessely
SW
& Wilson
Robinson

(SW)

	Technical Issue/Challenge	Solution	Client Benefits
1.	Refine Portal locations EJMT	East portal,	Avoid tunneling through landslide
		refine &	Economize/optimize length
		optimize to	
		avoid landslide	
		& minimize	
		tunnel length	
2.	Optimize tunnel alignment and	Use 2 diameters	More economical tunneling
	excavation method	for minimum	Shorter cross passages
		pillar width,	
		assume SEM	
		technique	

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Meeting Notes							
New Business							
Topic #1 – Tunnel alignment EJMT							
Optimize north bore alignment by developing alignment based on 2 diameter pillar width							
<ul> <li>Refine east portal to north to avoid slide/optimize length</li> </ul>							
<ul> <li>Evaluate cross passage length and spacing</li> </ul>							
Topic #2 – Action Item Review DONE attached							
Topic #3 – Twin Tunnels							
• Use data and section from Current project							
Topic #4 – Coordination with other Task Forces							
<ul> <li>Brad Doyle/Dennis Gonzales to continue coordination with roadway task force</li> </ul>							
Action Item Register attached.							
These notes are an interpretation of discussions held. Please provide any additions or corrections to the originator within seven days of the date signed, otherwise they will be assumed correct as written.							
► Prepared By: Ralph Trapani Date: 10/29/13							
Next Meeting: TIME & DATE TBD							

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#### **ACTION ITEM REGISTER**

#### ► Tunnel Task Force

► Updated 10/29/13

ltem	Action	Responsibility	Due	Status
1	Send existing EJMT plans	Yeh-Hume	10/18	
2	Send EJMT Inspection Reports	PTG-Crowder	10/18	DONE
3	Cross section and other data from widened Twin Tunnels bore	Yeh-Hume	10/18	DONE
4	Revised alignment EJMT	Doyle-PTG	10/18	DONE
5	2 and 3 lane sections	S&W	11/4	
6	Narrative of assumptions for design/costing	S&W and PTG	ongoing	
7	Contact EJMT Supt for constr. Info	S&W	11/4	
8	Put landslide data on portal sections/optimize	Doyle/Vessely	11/11	
9	Review Cross sections and optimize (flatten crown?)	S&W	11/11	
10	Review NFPA 502 requirements	Trapani-PTG	11/11	